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033072-022.ST25

SEQUENCE LISTING

RECEIVED

JUN 27 2002

TECH CENTER 1600/2900

<110> Barak, Larry S.
 Oakley, Robert H.
 Caron, Marc G.
 Laporte, Stephane A.
 Wilbanks, Alyson

<120> Constitutively Desensitized G Protein-Coupled Receptors

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<140> US 10/054,616
<141> 2002-01-22<150> US 60/263,406
<151> 2001-01-23

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 Arg Gly Arg Arg Gly His Trp Ala Pro Ile His Val Phe Ile Gly His
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 Leu Ala Trp Lys Ala Thr Asp Arg Phe Arg Gly Pro Asp Ala Leu Cys
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 Met Leu Ala Tyr Arg His Gly Ser Gly Ala His Trp Asn Arg Pro Val
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 Ile Phe Ala Gln Arg Asn Val Glu Gly Ser Gly Val Thr Asp Cys
 180 185 190
 Trp Ala Cys Phe Ala Glu Pro Trp Gly Arg Arg Thr Tyr Val Thr Trp
 195 200 205
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 210 215 220
 Gln Val Leu Ile Phe Arg Glu Ile His Ala Ser Leu Val Pro Gly Pro

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 Ser Lys Asn Phe His Glu Asp Thr Leu Ser Ser Thr Lys Ala Lys Gly
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 Glu Lys Lys Ala Ala Lys Thr Leu Gly Ile Val Val Gly Met Phe Ile
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 Leu Cys Trp Leu Pro Phe Phe Ile Ala Leu Pro Leu Gly Ser Leu Phe
 305 310 315 320
 Ser Thr Leu Lys Pro Pro Asp Ala Val Phe Lys Val Val Phe Trp Leu
 325 330 335
 Gly Tyr Phe Asn Ser Cys Leu Asn Pro Ile Ile Tyr Pro Cys Ser Ser
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 Lys Glu Phe Lys Arg Ala Phe Met Arg Ile Leu Gly Cys Gln Cys Arg
 355 360 365
 Ser Gly Arg Arg Arg Arg Arg Arg Arg Leu Gly Ala Cys Ala Tyr
 370 375 380
 Thr Tyr Arg Pro Trp Thr Arg Gly Gly Ser Leu Glu Arg Ser Gln Ser
 385 390 395 400
 Arg Lys Asp Ser Leu Asp Asp Ser Gly Ser Cys Met Ser Gly Ser Gln
 405 410 415
 Arg Thr Leu Pro Ser Ala Ser Pro Ser Pro Gly Tyr Leu Gly Arg Gly
 420 425 430
 Ala Gln Pro Pro Leu Glu Leu Cys Ala Tyr Pro Glu Trp Lys Ser Gly
 435 440 445
 Ala Leu Leu Ser Leu Pro Glu Pro Pro Gly Arg Arg Gly Arg Leu Asp
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 Gly His Phe
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<210> 3
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 <212> PRT
 <213> Golden hamster

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 Trp Gly Glu Leu Lys Asp Ala Asn Phe Thr Gly Pro Asn Gln Thr Ser
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 35 40 45
 Gly Leu Val Leu Gly Ala Phe Ile Leu Phe Ala Ile Val Gly Asn Ile
 50 55 60
 Leu Val Ile Leu Ser Val Ala Cys Asn Arg His Leu Arg Thr Pro Thr
 65 70 75 80
 Asn Tyr Phe Ile Val Asn Leu Ala Ile Ala Asp Leu Leu Ser Phe
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 Thr Val Leu Pro Phe Ser Ala Thr Leu Glu Val Leu Gly Tyr Trp Val

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Gly	His	Phe					515									

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<211> 515

<212> PRT

<213> Golden hamster

<400> 4

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 Trp Gly Glu Leu Lys Asp Ala Asn Phe Thr Gly Pro Asn Gln Thr Ser
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 35 40 45
 Gly Leu Val Leu Gly Ala Phe Ile Leu Phe Ala Ile Val Gly Asn Ile
 50 55 60
 Leu Val Ile Leu Ser Val Ala Cys Asn Arg His Leu Arg Thr Pro Thr
 65 70 75 80
 Asn Tyr Phe Ile Val Asn Leu Ala Ile Ala Asp Leu Leu Leu Ser Phe
 85 90 95
 Thr Val Leu Pro Phe Ser Ala Thr Leu Glu Val Leu Gly Tyr Trp Val
 100 105 110
 Leu Gly Arg Ile Phe Cys Asp Ile Trp Ala Ala Val Asp Val Leu Cys
 115 120 125
 Cys Thr Ala Ser Ile Leu Ser Leu Cys Ala Ile Ser Ile Asp His Tyr
 130 135 140
 Ile Gly Val Arg Tyr Ser Leu Gln Tyr Pro Thr Leu Val Thr Arg Arg
 145 150 155 160
 Lys Ala Ile Leu Ala Leu Leu Ser Val Trp Val Leu Ser Thr Val Ile
 165 170 175
 Ser Ile Gly Pro Leu Leu Gly Trp Lys Glu Pro Ala Pro Asn Asp Asp
 180 185 190
 Lys Glu Cys Gly Val Thr Glu Glu Pro Phe Tyr Ala Leu Phe Ser Ser
 195 200 205
 Leu Gly Ser Phe Tyr Ile Pro Leu Ala Val Ile Leu Val Met Tyr Cys
 210 215 220
 Arg Val Tyr Ile Val Ala Lys Arg Thr Thr Lys Asn Leu Glu Ala Gly
 225 230 235 240
 Val Met Lys Glu Met Ser Asn Ser Lys Glu Leu Thr Leu Arg Ile His
 245 250 255
 Ser Lys Asn Phe His Glu Asp Thr Leu Ser Ser Thr Lys Ala Lys Gly
 260 265 270
 His Asn Pro Arg Ser Ser Ile Ala Val Lys Leu Phe Lys Phe Ser Arg
 275 280 285
 Glu Lys Lys Ala Ala Lys Thr Leu Gly Ile Val Val Gly Met Phe Ile
 290 295 300
 Leu Cys Trp Leu Pro Phe Phe Ile Ala Leu Pro Leu Gly Ser Leu Phe
 305 310 315 320
 Ser Thr Leu Lys Pro Pro Asp Ala Val Phe Lys Val Val Phe Trp Leu
 325 330 335
 Gly Tyr Phe Asn Ser Cys Leu Asn Pro Ile Ile Tyr Pro Cys Ser Ser
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 Lys Glu Phe Lys Arg Ala Phe Met Arg Ile Leu Gly Cys Gln Cys Arg
 355 360 365
 Ser Gly Arg Arg Arg Arg Arg Arg Leu Gly Ala Cys Ala Tyr
 370 375 380
 Thr Tyr Arg Pro Trp Thr Arg Gly Gly Ser Leu Glu Arg Ser Gln Ser
 385 390 395 400
 Arg Lys Asp Ser Leu Asp Asp Ser Gly Ser Cys Met Ser Gly Ser Gln
 405 410 415
 Arg Thr Leu Pro Ser Ala Ser Pro Ser Pro Gly Tyr Leu Gly Arg Gly

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Ser Gly Pro Leu Phe Thr Phe Lys Leu Leu Gly Glu Pro Glu Ser Pro		
465	470	475
Gly Thr Glu Gly Asp Ala Ser Asn Gly Gly Cys Asp Ala Thr Thr Asp		
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Gly His Phe		
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 <212> PRT
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Gly Leu Val Leu Gly Ala Phe Ile Leu Phe Ala Ile Val Gly Asn Ile		
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Leu Val Ile Leu Ser Val Ala Cys Asn Arg His Leu Arg Thr Pro Thr		
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Asn Tyr Phe Ile Val Asn Leu Ala Ile Ala Asp Leu Leu Ser Phe		
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Cys Thr Ala Ser Ile Leu Ser Leu Cys Ala Ile Ser Ile Asp Asn Tyr		
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Ser Ile Gly Pro Leu Leu Gly Trp Lys Glu Pro Ala Pro Asn Asp Asp		
180	185	190
Lys Glu Cys Gly Val Thr Glu Glu Pro Phe Tyr Ala Leu Phe Ser Ser		
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Leu Gly Ser Phe Tyr Ile Pro Leu Ala Val Ile Leu Val Met Tyr Cys		
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Arg Val Tyr Ile Val Ala Lys Arg Thr Thr Lys Asn Leu Glu Ala Gly		
225	230	235
Val Met Lys Glu Met Ser Asn Ser Lys Glu Leu Thr Leu Arg Ile His		
245	250	255
Ser Lys Asn Phe His Glu Asp Thr Leu Ser Ser Thr Lys Ala Lys Gly		
260	265	270
His Asn Pro Arg Ser Ser Ile Ala Val Lys Leu Phe Lys Phe Ser Arg		
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 Leu Cys Trp Leu Pro Phe Phe Ile Ala Leu Pro Leu Gly Ser Leu Phe
 305 310 315 320
 Ser Thr Leu Lys Pro Pro Asp Ala Val Phe Lys Val Val Phe Trp Leu
 325 330 335
 Gly Tyr Phe Asn Ser Cys Leu Asn Pro Ile Ile Tyr Pro Cys Ser Ser
 340 345 350
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 Thr Tyr Arg Pro Trp Thr Arg Gly Gly Ser Leu Glu Arg Ser Gln Ser
 385 390 395 400
 Arg Lys Asp Ser Leu Asp Asp Ser Gly Ser Cys Met Ser Gly Ser Gln
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 Val Val Ile Val Ile Tyr Phe Tyr Met Lys Leu Lys Thr Val Ala Ser
 50 55 60
 Val Phe Leu Leu Asn Leu Ala Leu Ala Asp Leu Cys Phe Leu Leu Thr
 65 70 75 80
 Cys Pro Leu Trp Ala Val Tyr Thr Ala Met Glu Tyr Arg Trp Pro Phe
 85 90 95
 Gly Asn His Leu Cys Lys Ile Ala Ser Ala Ser Val Thr Phe Asn Leu
 100 105 110
 Tyr Ala Ser Val Phe Leu Leu Thr Cys Leu Ser Ile Asp Arg Tyr Leu
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 Ala Lys Val Thr Cys Ile Ile Trp Leu Met Ala Gly Leu Ala Ser

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Cys	Ile	Ala	Tyr	Phe	Asn	Asn	Cys	Leu	Asn	Pro	Leu	Phe	Tyr	Gly	Phe
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 <213> Homo sapiens

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<212> DNA

<213> Syrian golden hamster

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<211> 1548

<212> DNA

<213> Syrian golden hamster

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 <213> Syrian golden hamster

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 <211> 1548
 <212> DNA
 <213> Syrian golden hamster

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